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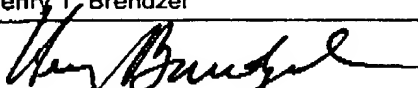
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HENRY T. BRENDZEL**Date:** February 18, 2004**To:** Examiner: Cicely Q. Ware**From:** Henry T. Brendzel, Esq**Fax:** 703-872-9306**Fax:** (973) 467-6589**Phone:** 703-305-8326**Phone:** (973) 467-2025**Re:** Serial No: 09/668,199**Pages:** Cover + 11


Henry Brendzel

TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Complete if Known	
		Application Number	09/668,199
		Filing Date	9/22/2000
		First Named Inventor	Naofal Al-Dhahir
		Examiner Name	Cicely Q. Ware
		Group/Art Unit	2634
Total number of pages in this Submission: this page, plus 10		Attorney Docket ID	Al-Dhahir 2

ENCLOSURES (check all that apply)		
If Fee Form is not included, but a fee is due, the Commissioner is Authorized to charge Deposit Account No 500732 of Henry T. Brendzel, and consider that appropriate requests have been made. <input type="checkbox"/> Fee Form (<input type="checkbox"/> Check included) <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavit(s)/Declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.2 or 1.53	<input type="checkbox"/> Declaration (no Missing Parts Notice) <input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (TO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation or Change of Correspondence Address <input type="checkbox"/> Express Abandonment <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> To Convert to Statutory Invention Registration	<input type="checkbox"/> Postcard(s) <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for a Refund <input type="checkbox"/> After Allowance Communication to group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communications to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other

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Firm or Individual Name	Henry T. Brendzel	
Signature		Date 2/18/04

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Patent Application

Inventor(s)	Naofal Al-Dhahir	Case Name	Al-Dhahir 2
Filing Date	9/22/2000	Serial No.	09/668,199
Examiner	Cicely Q. Ware	Group Art Unit	2634
Title	Finite-Length Multi-Input Multi-Output Channel Shortening Pre-filters		

COMMISSIONER FOR PATENTS

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Alexandria, VA 22313-1450

SIR:

AMENDMENT

In response to an Office action dated November 12, 2003, please amend the
above-identified application as follows:

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IN THE SPECIFICATION:

Please replace the paragraph beginning at the top of page 5 with:

Once H , R_{xx} and R_{nn} are known, R_{xy} and R_{yy} are computed by $R_{xx}H^*$ and $HR_{xx}H^* + R_{nn}$, respectively.

Please replace the paragraph beginning at line 9 of page 6 with:

Under one optimization approach the coefficients of B are constrained so that some coefficient of B is equal to the identity matrix, I . A solution, subject to this Identity Tap Constraint (ITC), can be expressed by

Please replace the paragraph beginning at line 25 of page 7 with:

The structure of pre-filter 30 is shown in FIG. 12. ~~In the illustrated embodiment, it~~ which comprises two main components: processor 220 and filter section 210.

Please replace the paragraph beginning at line 28 of page 7 with:

Filter section 210, shown in the FIG. 2, ~~illustrative example~~ comprises a collection of FIR filters that connect the n_o input array of signals from sampling circuit 20 to an n_i output array of points. That is, there are $j \times i$ FIR filters P_{ji} , that couple input point j to output point i .